

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036092.D
 Acq On : 10 Dec 2019 18:46
 Operator : JC/MD
 Sample : K6168-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 06:32:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 11 06:27:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	281690	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	316367	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	84330	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	123674	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.93	69	117798	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.60	63	153247	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	4.69	46	238179	55.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.34%
24) Chloroform-d	5.11	84	194103	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.75	65	105210	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.77	84	384682	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.73	67	120894	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.93	98	306426	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	8.22	79	42507	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.70	63	188840	51.85	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.70%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	111739	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	82957	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	36914	1.506	ug/L #	27
13) Acetone	2.67	43	12908	2.377	ug/L	99
19) 1,1-Dichloroethane	3.92	63	230785	6.147	ug/L	98
22) cis-1,2-Dichloroethene	4.73	96	2400	0.109	ug/L	72
25) Chloroform	5.14	83	14793	0.354	ug/L	92
29) 1,1,1-Trichloroethane	5.36	97	21792	0.611	ug/L	97
31) Carbon tetrachloride	5.37	117	3306	0.103	ug/L	93
34) Trichloroethene	6.58	95	26193	1.141	ug/L	92
35) Methylcyclohexane	6.74	83	29356	0.953	ug/L #	19
37) 1,2-Dichloropropane	6.74	63	12300	0.567	ug/L #	87
39) cis-1,3-Dichloropropene	7.61	75	2679	0.091	ug/L #	1
47) Tetrachloroethene	8.58	164	10726	0.491	ug/L	96
48) 2-Hexanone	8.74	43	9240	1.137	ug/L #	87
49) Dibromochloromethane	8.58	129	10113	0.446	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	9489	0.612	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 11 06:27:41 2019
Response via : Initial Calibration

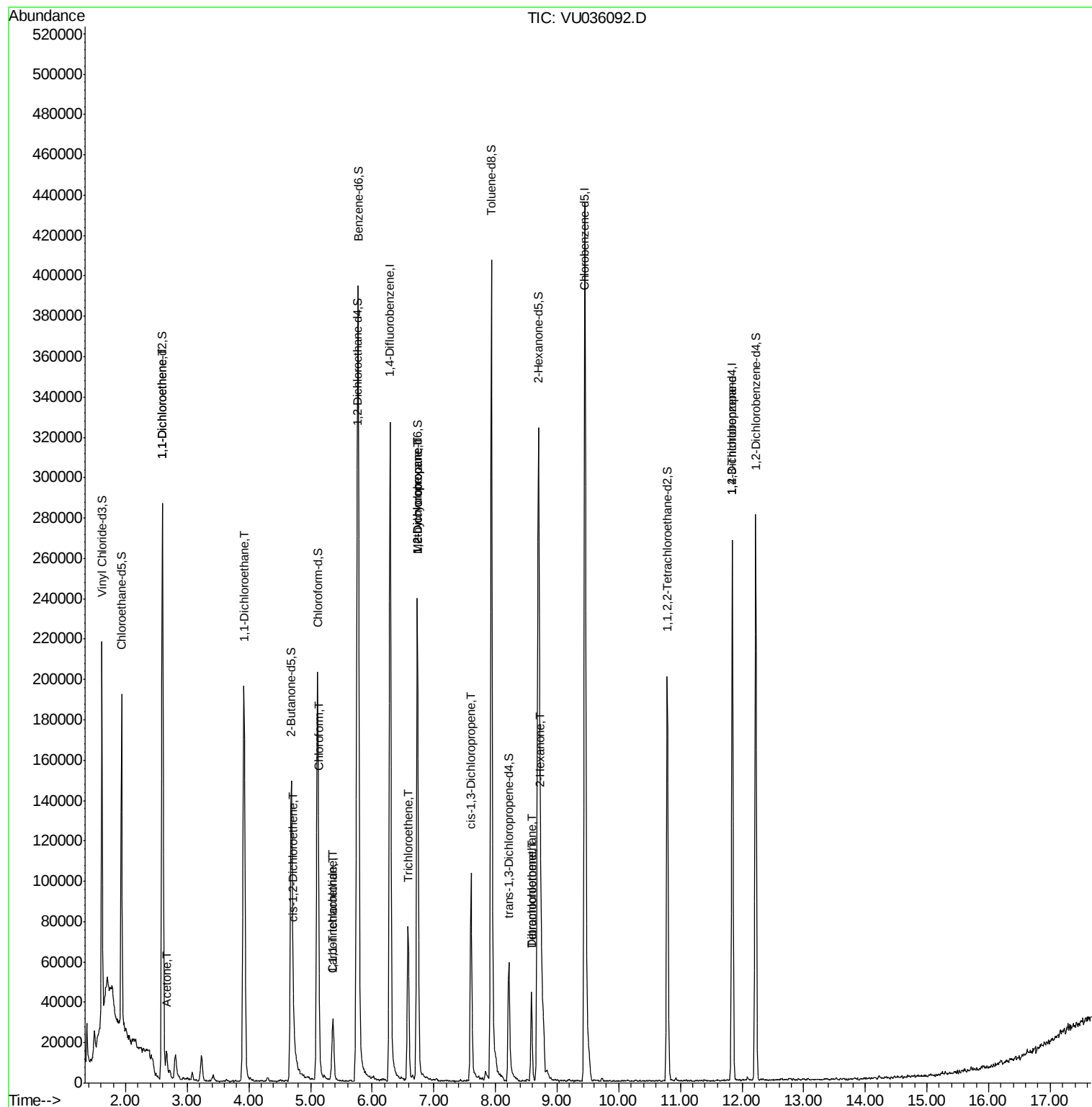
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

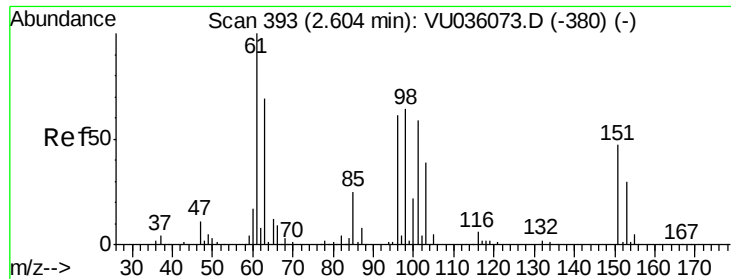
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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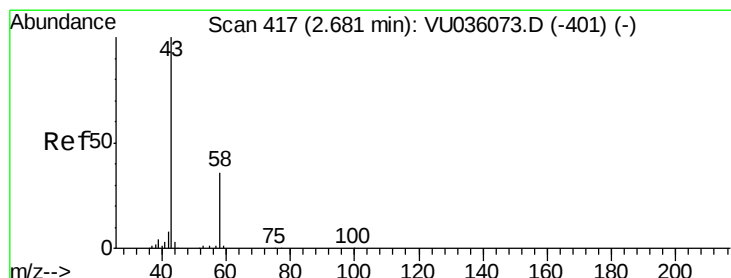
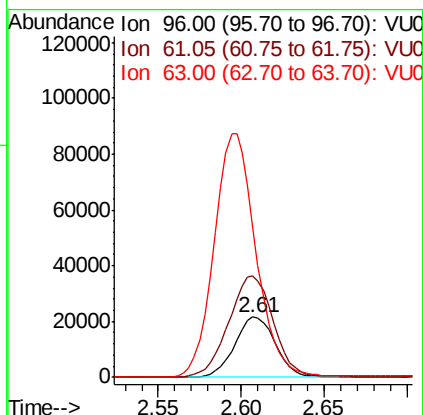
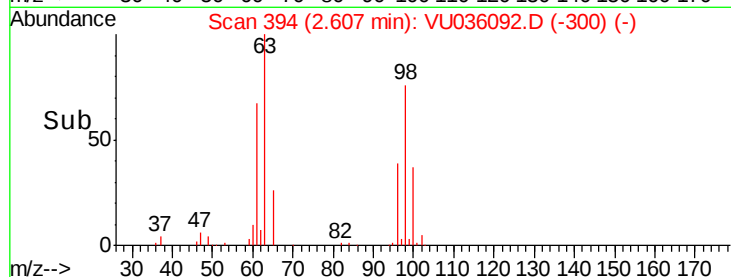
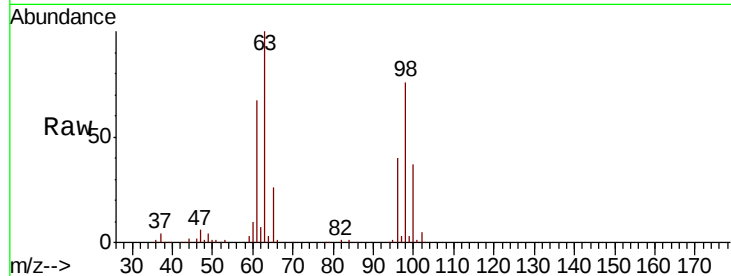




#12
 1,1-Dichloroethene
 Concen: 1.506 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU036092.D
 Acq: 10 Dec 2019 18:46

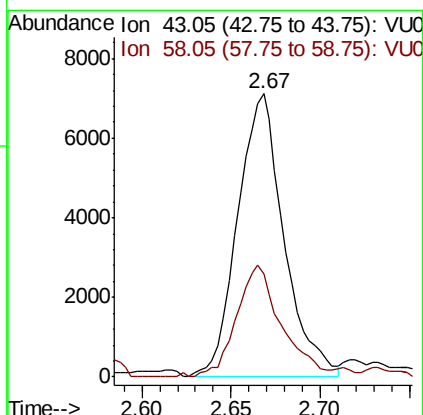
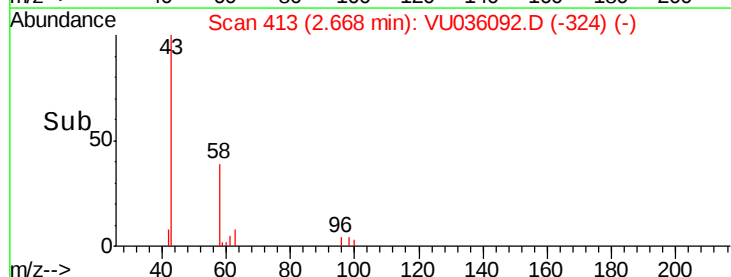
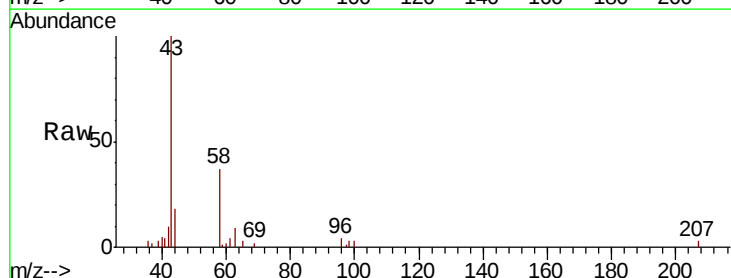
Instrument :
 MSVOA_U
 ClientSampled :

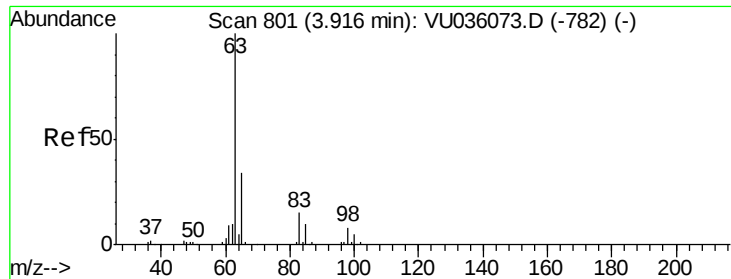
Tot Ion: 96 Resp: 36914
 Ion Ratio Lower Upper
 96 100
 61 168.5 104.3 193.7
 63 252.5 65.6 121.8#



#13
 Acetone
 Concen: 2.377 ug/L
 RT: 2.67 min Scan# 413
 Delta R.T. -0.01 min
 Lab File: VU036092.D
 Acq: 10 Dec 2019 18:46

Tgt Ion: 43 Resp: 12908
 Ion Ratio Lower Upper
 43 100
 58 38.0 0.0 74.2

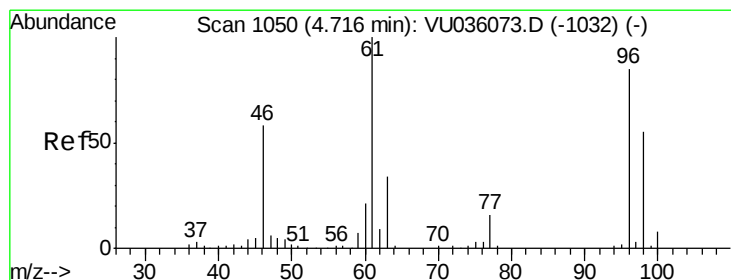
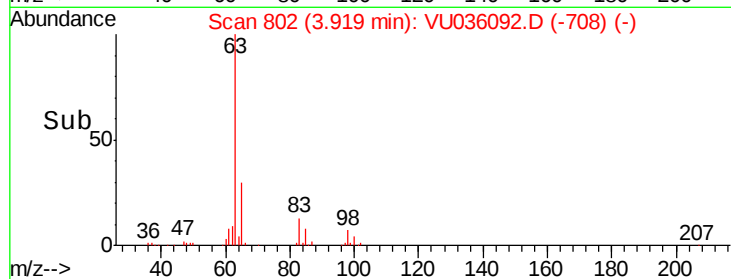
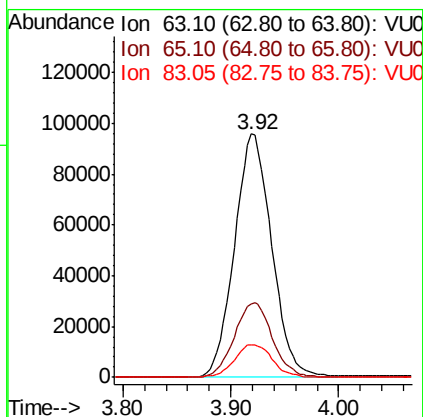
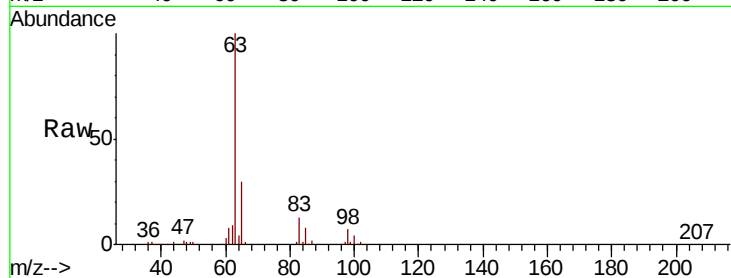




#19
 1,1-Dichloroethane
 Concen: 6.147 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036092.D
 Acq: 10 Dec 2019 18:46

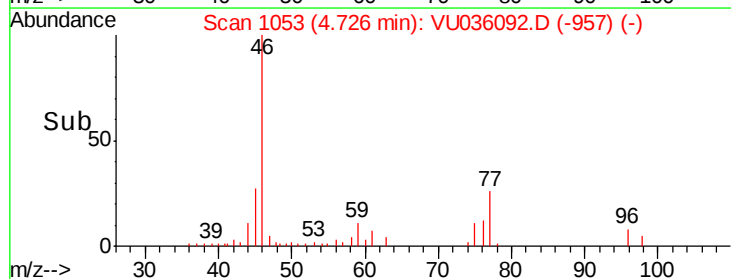
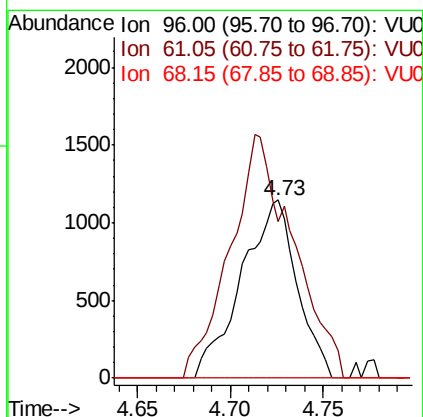
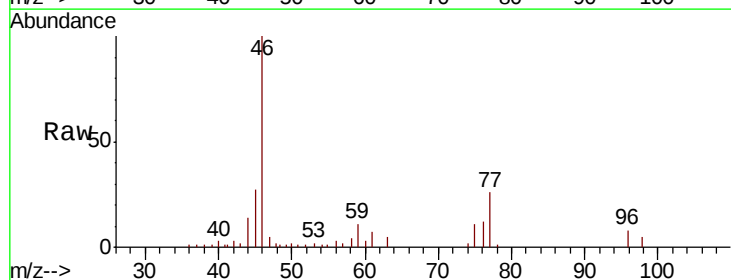
Instrument :
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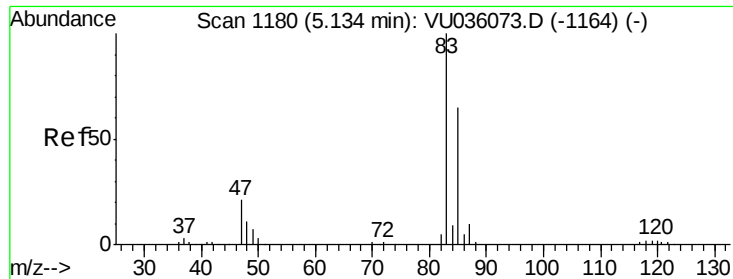
Tot Ion: 63 Resp: 230785
 Ion Ratio Lower Upper
 63 100
 65 30.3 21.8 40.4
 83 13.5 10.1 18.9



#22
 cis-1,2-Dichloroethene
 Concen: 0.109 ug/L
 RT: 4.73 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VU036092.D
 Acq: 10 Dec 2019 18:46

Tgt Ion: 96 Resp: 2400
 Ion Ratio Lower Upper
 96 100
 61 87.5 83.0 154.2
 68 0.0 0.0 0.0

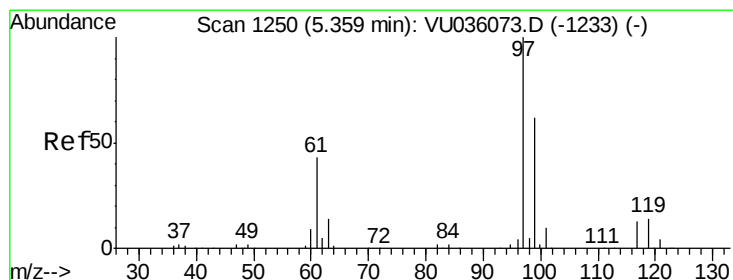
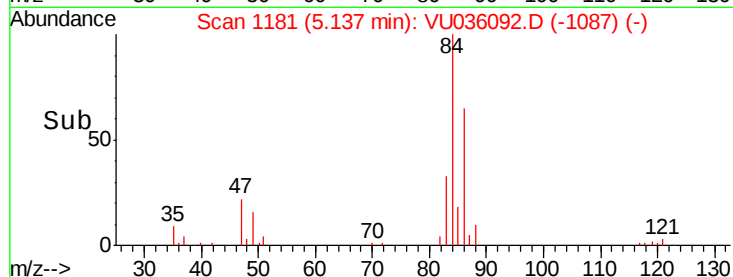
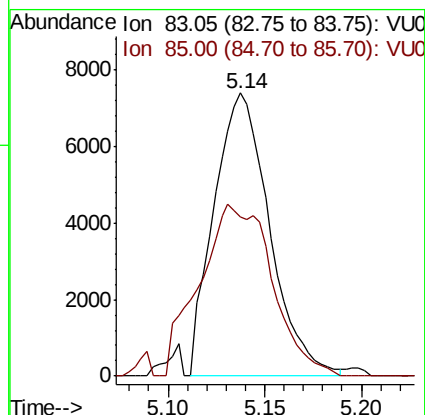
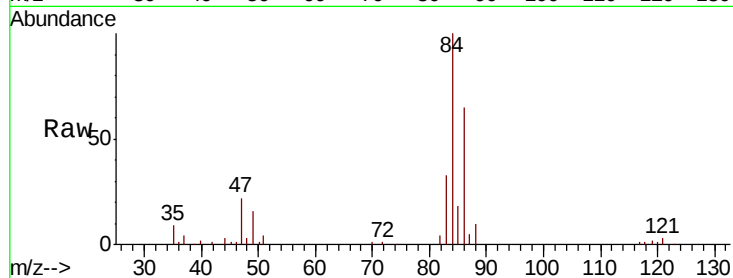




#25
Chloroform
Concen: 0.354 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036092.D
Acq: 10 Dec 2019 18:46

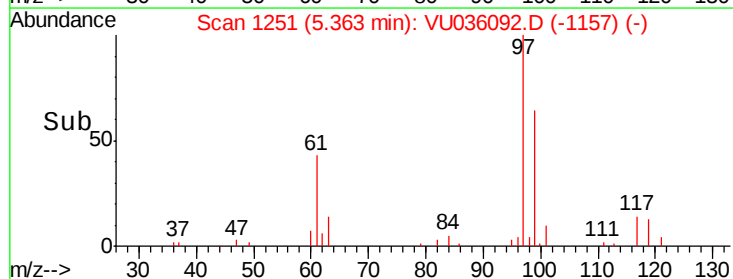
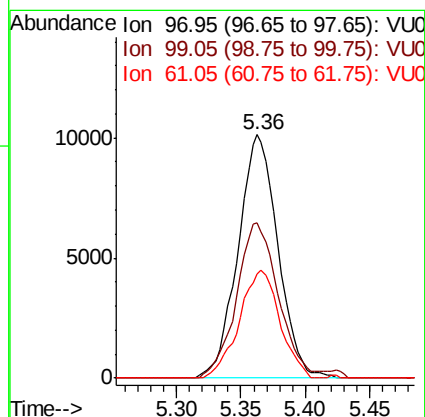
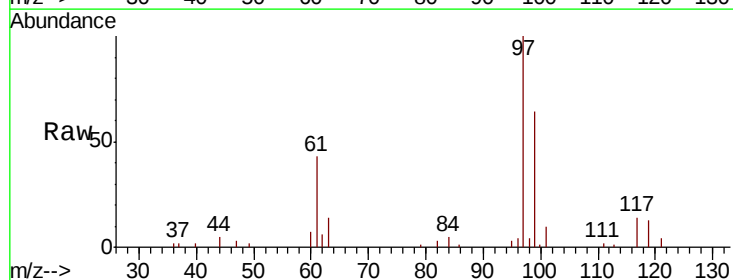
Instrument :
MSVOA_U
ClientSampleId :

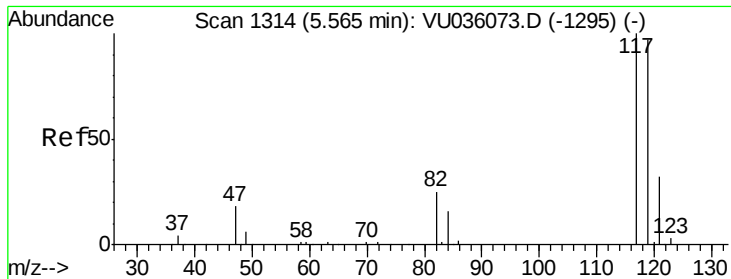
Tot Ion: 83 Resp: 14793
Ion Ratio Lower Upper
83 100
85 56.2 43.9 81.5



#29
1,1,1-Trichloroethane
Concen: 0.611 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036092.D
Acq: 10 Dec 2019 18:46

Tgt Ion: 97 Resp: 21792
Ion Ratio Lower Upper
97 100
99 67.5 52.2 78.2
61 45.1 34.7 52.1





#31

Carbon tetrachloride

Concen: 0.103 ug/L

RT: 5.37 min Scan# 1252

Delta R.T. -0.20 min

Lab File: VU036092.D

Acq: 10 Dec 2019 18:46

Instrument :

MSVOA_U

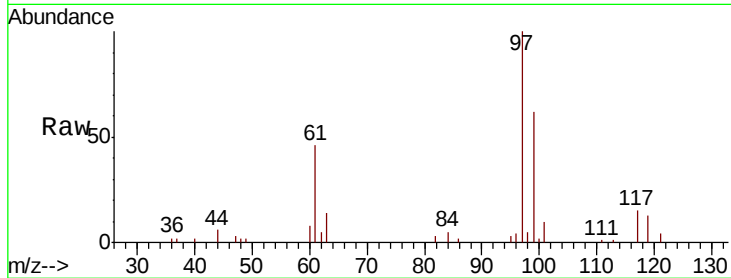
ClientSampleId :

Tot Ion:117 Resp: 3306

Ion Ratio Lower Upper

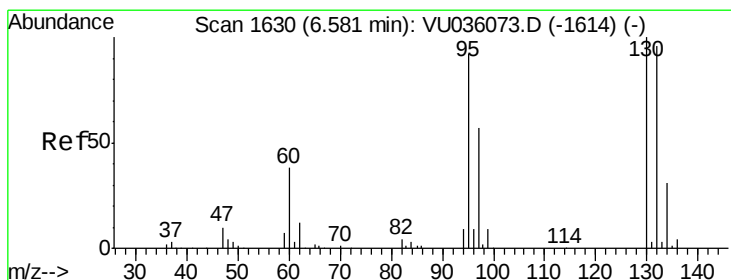
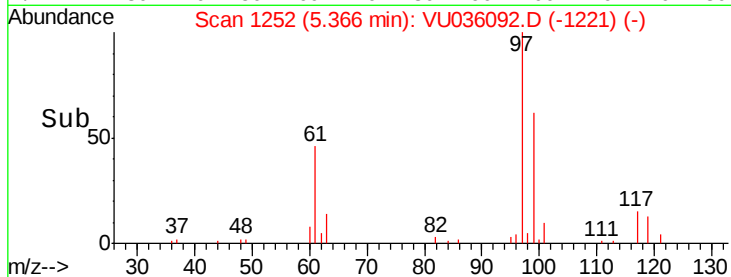
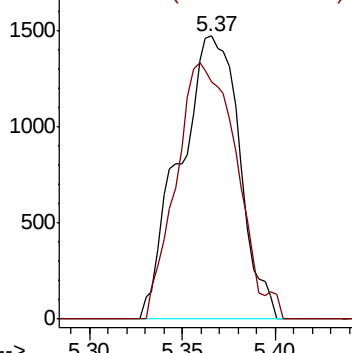
117 100

119 91.3 78.2 117.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 1.141 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036092.D

Acq: 10 Dec 2019 18:46

Tgt Ion: 95 Resp: 26193

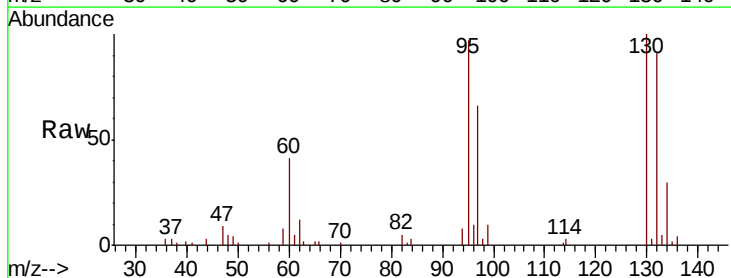
Ion Ratio Lower Upper

95 100

97 68.3 44.4 82.4

132 93.6 73.4 136.4

130 103.4 75.9 141.1

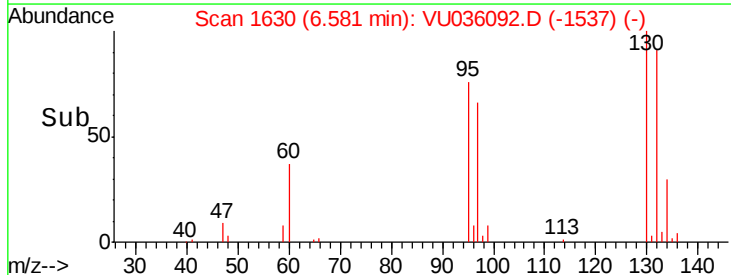
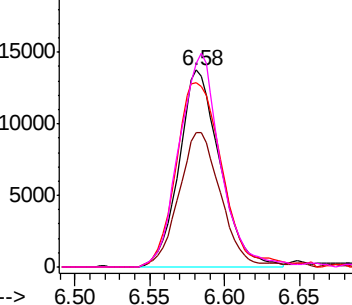


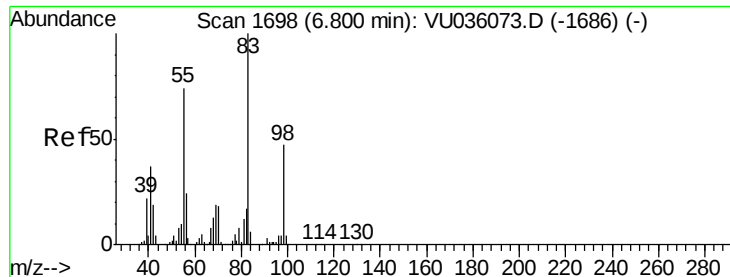
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

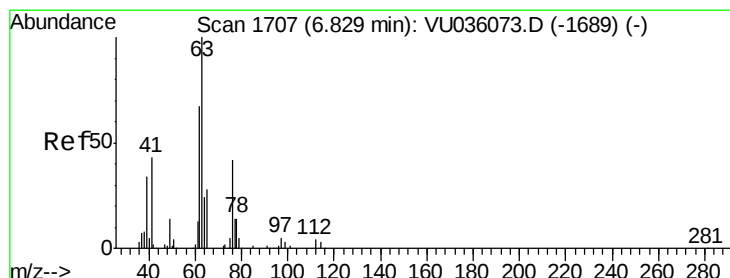
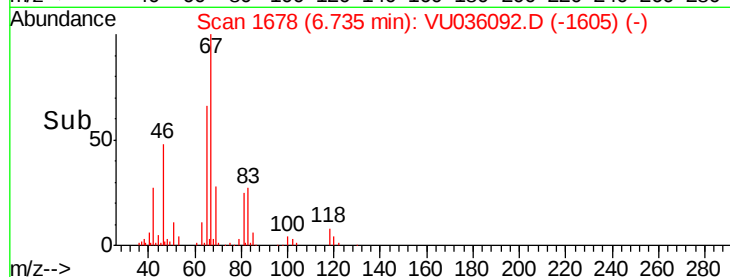
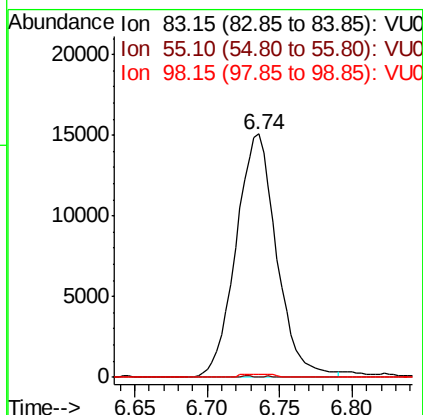
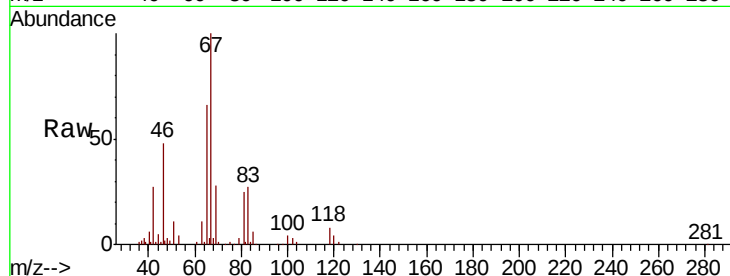




#35
Methylcyclohexane
Concen: 0.953 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU036092.D
Acq: 10 Dec 2019 18:46

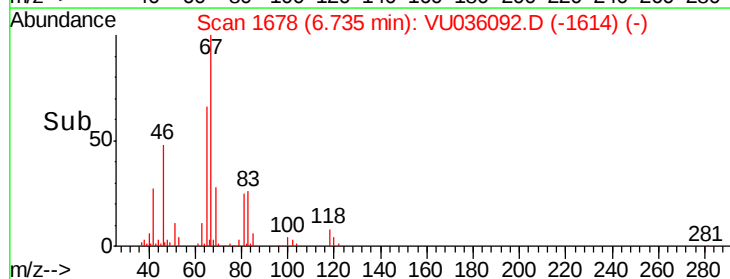
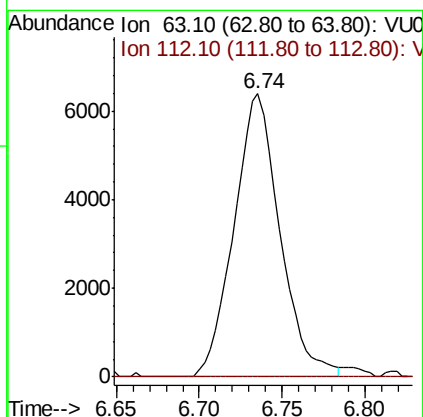
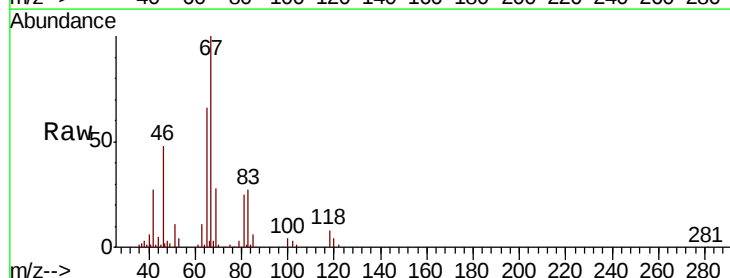
Instrument :
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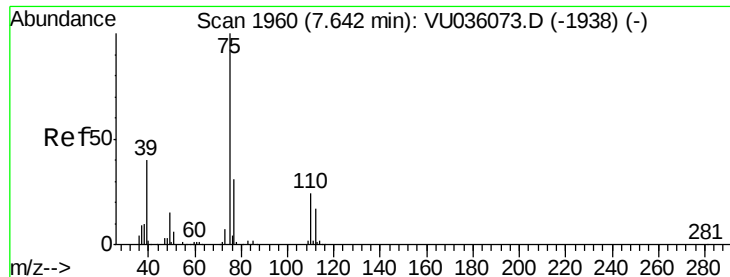
Tot Ion	Ratio	Lower	Upper
83	100		
55	0.2	62.1	93.1#
98	1.1	37.0	55.4#



#37
1,2-Dichloropropane
Concen: 0.567 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.09 min
Lab File: VU036092.D
Acq: 10 Dec 2019 18:46

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.4	3.8	5.8#

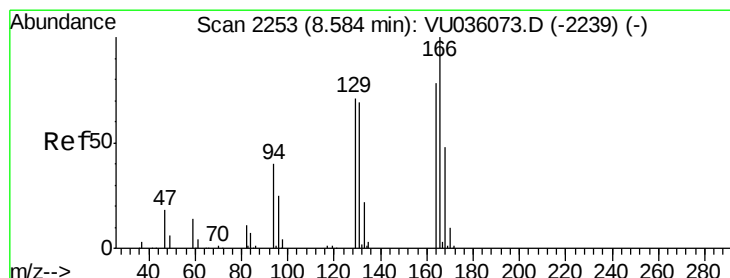
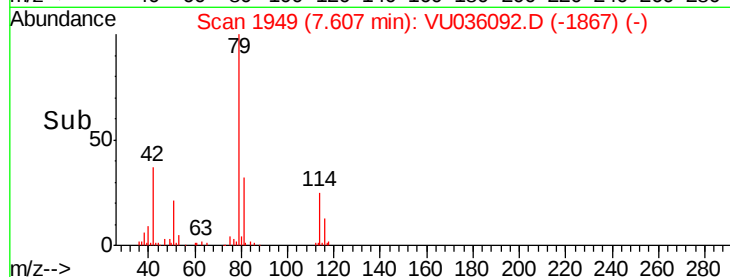
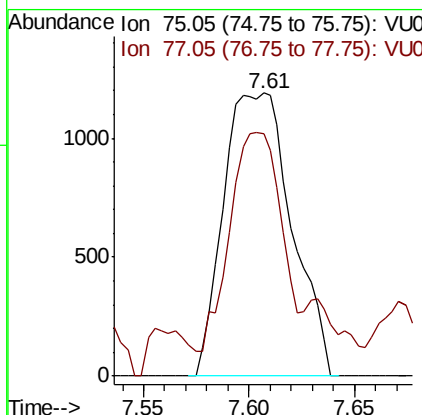
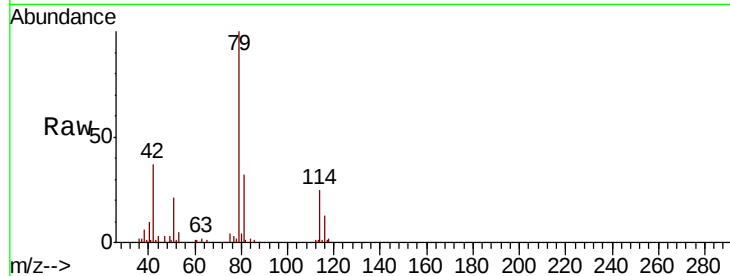




#39
 cis-1,3-Dichloropropene
 Concen: 0.091 ug/L
 RT: 7.61 min Scan# 1949
 Delta R.T. -0.04 min
 Lab File: VU036092.D
 Acq: 10 Dec 2019 18:46

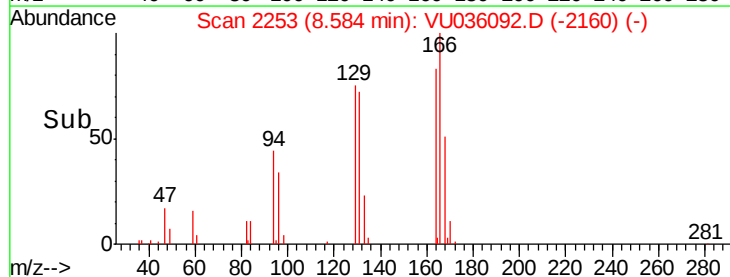
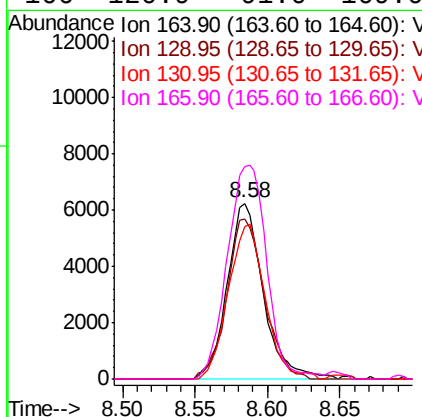
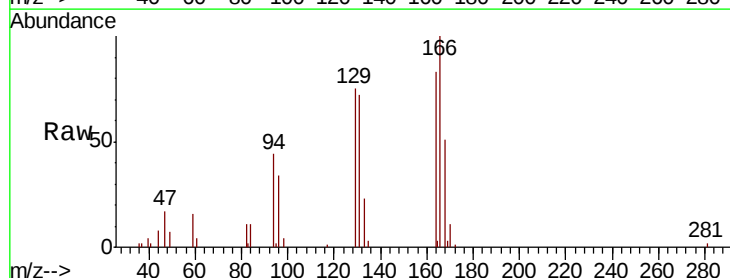
Instrument :
 MSVOA_U
 ClientSampled :

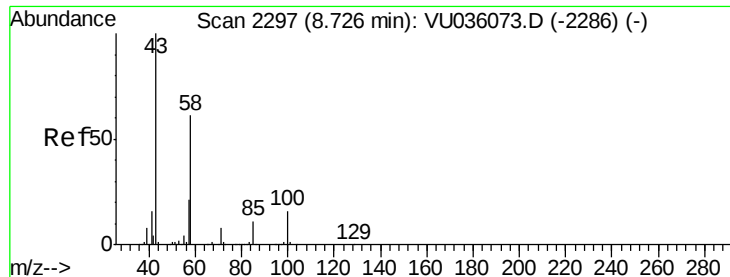
Tot Ion: 75 Resp: 2679
 Ion Ratio Lower Upper
 75 100
 77 85.8 21.7 40.3#



#47
 Tetrachloroethene
 Concen: 0.491 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036092.D
 Acq: 10 Dec 2019 18:46

Tgt Ion:164 Resp: 10726
 Ion Ratio Lower Upper
 164 100
 129 91.1 63.1 117.3
 131 86.6 61.5 114.1
 166 120.9 91.0 169.0

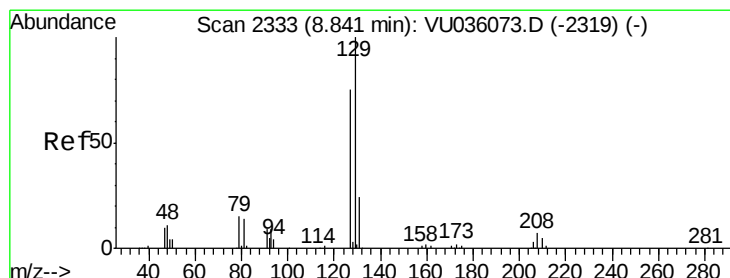
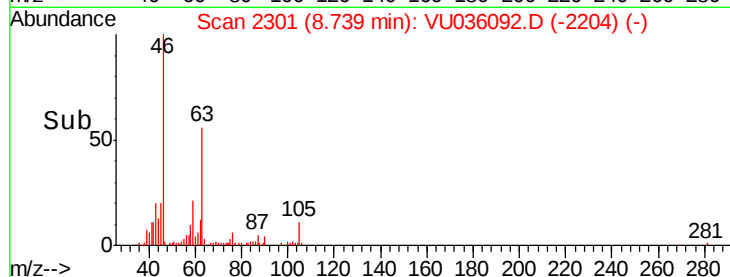
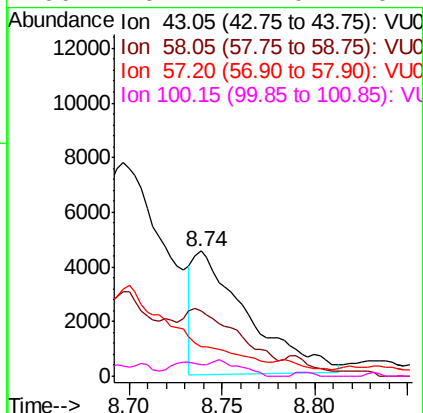
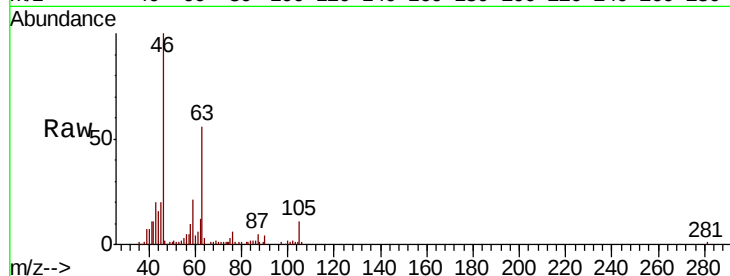




#48
2-Hexanone
Concen: 1.137 ug/L
RT: 8.74 min Scan# 2301
Delta R.T. 0.01 min
Lab File: VU036092.D
Acq: 10 Dec 2019 18:46

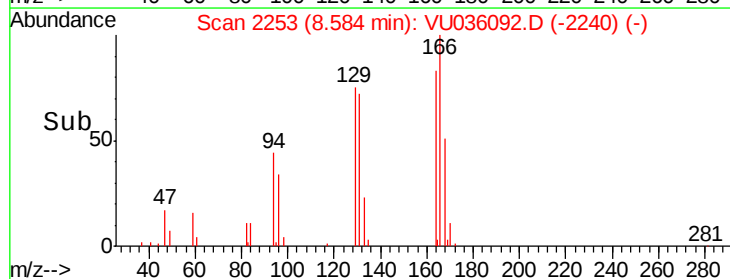
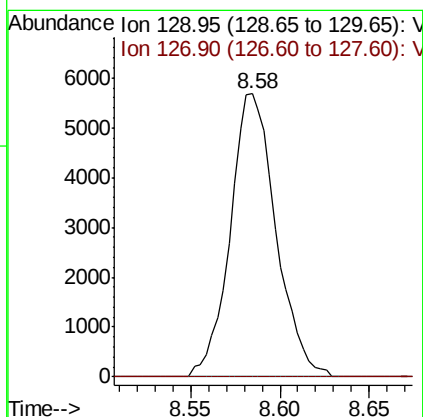
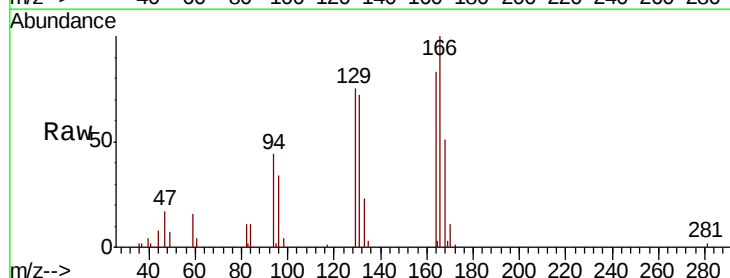
Instrument :
MSVOA_U
ClientSampled :

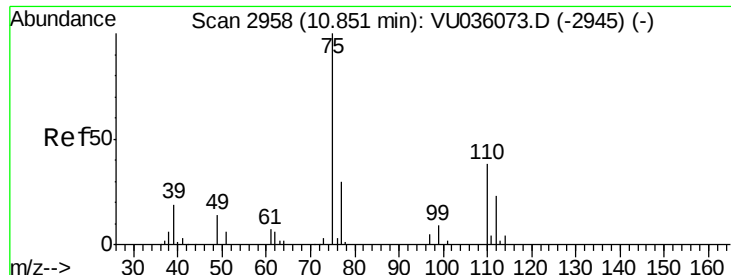
Tot Ion: 43 Resp: 9240
Ion Ratio Lower Upper
43 100
58 57.7 46.9 70.3
57 0.0 16.4 24.6#
100 6.1 11.0 16.4#



#49
Dibromochloromethane
Concen: 0.446 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU036092.D
Acq: 10 Dec 2019 18:46

Tgt Ion: 129 Resp: 10113
Ion Ratio Lower Upper
129 100
127 0.0 52.5 97.5#





#59

1,2,3-Trichloropropane

Concen: 0.612 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU036092.D

Acq: 10 Dec 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 9489

Ion Ratio Lower Upper

75 100

77 34.7 26.7 40.1

